

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	70	(HIRATA/in. or KIMINOBU.in. or ESAKA.in. or TAKEHIRO.in.) and (exhaust near4 gas) and (engine)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:25
S2	0	(HIRATA/in. or KIMINOBU.in. or ESAKA.in. or TAKEHIRO.in.) and (exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail) near4 (injector or metter))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:28
S3	1	(HIRATA/in. or KIMINOBU.in. or ESAKA.in. or TAKEHIRO.in.) and (exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail) and (injector or metter))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:27

## EAST Search History

S4	3	(HIRATA/in. or KIMINOBU.in. or ESAKA.in. or TAKEHIRO.in.) and (exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail) and (injector or meter))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:27
S5	278	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail) near4 (injector or meter))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:28
S6	4	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail) near4 (injector or meter)) and (reduc\$4 near4 agent)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:29
S7	156	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail) near4 (injector or meter)) and (cataly\$4 or absorb\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:39

## EAST Search History

S8	3	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail) near4 (injector or meter)) and (cataly\$4 or absorb\$4) and (60/277. ccls. and (60/286.ccls. or 60/295.ccls. or 60/303. ccls.))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:30
S9	33	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail) near4 (injector or meter) near4 (system or device))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:40
S10	64	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4) near4 (injector or meter) near4 (system or device))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:41
S11	12	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4) near4 (injector or meter) near4 (system or device)) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:45

## EAST Search History

S12	66	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4) near4 (injector or meter) ) and (60/272-324.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:46
S13	54	S12 not S11	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:47
S14	91	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter) ) and (60/272-324. ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:51
S15	79	S14 not S11	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:47

## EAST Search History

S16	907	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:51
S17	92	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter) near4 (system or device))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/29 21:23
S18	49	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter) near4 (system or device)) and (cataly\$4)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/27 11:52
S19	628	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter or valve) near4 (system or device))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/29 21:26

## EAST Search History

S20	91	(exhaust near4 gas) and (engine) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter or valve) near4 (system or device)) and ("73"/\$.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/30 08:21
S21	24	(60/286.ccls. or 60/303.ccls.) and ("73"/\$.ccls.)	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/30 08:37
S22	24	("5201802"   "5369956"   "5410873"   "5428956"   "5540047"   "5628186"   "5643536"   "5706652"   "5751602"   "5806310"   "5831145"   "5842341"   "5845487"   "5941067"   "5950422"   "6001318"   "6016653"   "6017503"   "6079203"   "6119448"   "6131388"   "6134883"   "6167698"   "6357226").PN.	US-PGPU B; USPAT; USOCR	OR	ON	2007/07/30 08:25
S23	8	("6487852").URPN.	USPAT	OR	ON	2007/07/30 08:29

## EAST Search History

S24	17	(60/272-324.ccls.) and ("73"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter or valve))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/07/30 08:41
S25	24	(60/272-324.ccls.) and ("73"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter or valve or inject\$4))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/07/30 08:41
S26	25	(60/272-324.ccls.) and ("73"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter\$4 or valve or inject\$4))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/07/30 08:42
S27	4870	("73"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter\$4 or valve or inject\$4))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TD B	OR	ON	2007/07/30 08:43

## EAST Search History

S28	3003	("73"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near2 (injector or meter\$4 or valve or inject\$4))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/30 08:43
S29	152	("73"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near2 (injector ))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/30 08:43
S30	83	("73"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near2 (injector ) near4 (fuel or reduc\$4 or reductant) )	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/30 08:44
S31	63	("73"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near2 (injector ) near4 (fuel or reduc\$4 or reductant) ) and (engine near4 (output or torque or load or speed or power))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/30 08:45

## EAST Search History

S32	97	("73"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector ) near4 (fuel or reduc\$4 or reductant) ) and (engine near4 (output or torque or load or speed or power))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/30 08:45
S33	52	("60"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near2 (injector ) near4 (fuel or reduc\$4 or reductant) ) and (engine near4 (output or torque or load or speed or power))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/30 08:45
S34	83	("60"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector ) near4 (fuel or reduc\$4 or reductant) ) and (engine near4 (output or torque or load or speed or power))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/30 08:46
S35	235	("60"/\$.ccls.) and ((abnormal\$4 or deteriorat\$4 or degrad\$4 or fail\$4 or fault\$4 or leak\$4) near4 (injector or meter or valve) near4 (fuel or reduc\$4 or reductant) ) and (engine near4 (output or torque or load or speed or power))	US-PGPU B; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TD B	OR	ON	2007/07/30 08:46